



# 1998 Toxics Release Inventory

## NEW YORK

### Reported Releases and Waste Management Activities (in pounds)

|   | Original Industries | New Industries    | Total              |
|---|---------------------|-------------------|--------------------|
| On-site Releases                                    | 29,881,956          | 34,888,969        | 64,770,925         |
| Air Emissions                                       | 21,867,773          | 16,485,823        | 38,353,596         |
| Surface Water Discharges                            | 7,873,875           | 173,812           | 8,047,687          |
| Underground Injection Class I Wells                 | 500                 | 0                 | 500                |
| Underground Injection Class II-V Wells              | 0                   | 0                 | 0                  |
| On-site Land Releases to RCRA Subtitle C Landfills  | 14,688              | 6,231,080         | 6,245,768          |
| Other On-site Land Releases                         | 125,120             | 11,998,254        | 12,123,374         |
| Off-site Releases (Transfers Off-site to Disposal)* | 5,096,324           | 577,257           | 5,673,581          |
| <b>Total On- and Off-site Releases</b>              | <b>34,978,280</b>   | <b>35,466,226</b> | <b>70,444,506</b>  |
| Recycled On-site                                    | 156,470,019         | 236,300           | 156,706,319        |
| Recycled Off-site                                   | 83,112,852          | 482,201           | 83,595,053         |
| Energy Recovery On-site                             | 29,244,695          | 0                 | 29,244,695         |
| Energy Recovery Off-site                            | 7,742,986           | 65,316            | 7,808,302          |
| Treated On-site                                     | 101,936,741         | 7,272,514         | 109,209,255        |
| Treated Off-site**                                  | 11,745,062          | 72,323            | 11,817,385         |
| Quantity Released On- and Off-site***               | 34,482,342          | 35,412,800        | 69,895,142         |
| <b>Total Production-related Waste Managed</b>       | <b>424,734,697</b>  | <b>43,541,454</b> | <b>468,276,151</b> |
| <b>Total Non-production-related Waste Managed</b>   | <b>103,088</b>      | <b>51,672</b>     | <b>154,760</b>     |

### Transfers Off-site for Further Waste Management/Disposal

|   |                    |                  |                    |
|---|--------------------|------------------|--------------------|
| Recycling   | 82,416,941         | 499,581          | 82,916,522         |
| Energy Recovery   | 7,728,406          | 65,433           | 7,793,839          |
| Treatment   | 5,130,245          | 74,928           | 5,205,173          |
| Publicly Owned Treatment Works (POTWs)                                    | 5,067,315          | 110              | 5,067,425          |
| Metals and Metal Compounds*   | 147,138            | 110              | 147,248            |
| Non-metal TRI Chemicals**   | 4,920,177          | 0                | 4,920,177          |
| Other Off-site Transfers****  | 0                  | 6,000            | 6,000              |
| Off-site Transfers to Disposal<br>(not including metals to POTWs)         | 5,460,756          | 580,126          | 6,040,882          |
| <b>Total Transfers Off-site for Further<br/>Waste Management/Disposal</b> | <b>105,803,663</b> | <b>1,226,178</b> | <b>107,029,841</b> |

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact:

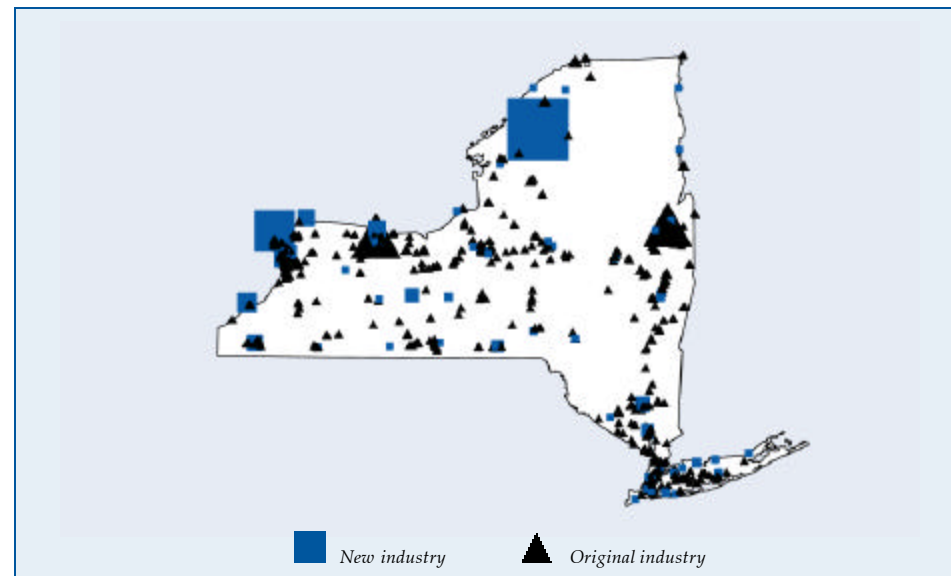
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(518) 485-8472  
Fax: (518) 457-2570

#### EPA Regional Contact:

Nora Lopez  
(732) 906-6890  
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#### To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531  
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of New York. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

|                  |            |
|------------------|------------|
| Population       | 18,175,301 |
| Square Miles     | 47,224     |
| Total Facilities | 737        |
| Total Forms      | 2,495      |
| Form As          | 407        |

|   | Original Industries | New Industries | Total       |
|---|---------------------|----------------|-------------|
| <b>National Rank for Total On- and Off-site Releases*</b> |                     |                |             |
| Rank  | 25                  | 23             | 27          |
| Pounds  | 34,978,280          | 35,466,226     | 70,444,506  |
| <b>National Rank for Total On-site Releases**</b>         |                     |                |             |
| Rank  | 25                  | 23             | 26          |
| Pounds  | 29,881,956          | 34,888,969     | 64,770,925  |
| <b>National Rank for Total Releases within State***</b>   |                     |                |             |
| Rank  | 22                  | 23             | 25          |
| Pounds  | 39,153,168          | 35,355,344     | 74,508,512  |
| <b>National Rank for Production-related Waste Managed</b> |                     |                |             |
| Rank  | 20                  | 27             | 23          |
| Pounds  | 424,734,697         | 43,541,454     | 468,276,151 |

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1998 Toxics Release Inventory

## NEW YORK

### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

| CAS Number | Chemical               | On-site Releases     |                                 |                              |                                 | Off-site Releases                      | Total Releases in the State** | Off-site Transfers to Disposal |                                 |                                 |
|------------|------------------------|----------------------|---------------------------------|------------------------------|---------------------------------|--|-------------------------------|--------------------------------|---------------------------------|---------------------------------|
|            |                        | Air Emissions Pounds | Surface Water Discharges Pounds | Underground Injection Pounds | On-site Releases to Land Pounds | Transfers Off-site to Disposal* Pounds |                               | Transferred Into State Pounds  | Transferred Within State Pounds | Transferred Out of State Pounds |
| —          | Nitrate compounds      | 327,391              | 7,306,165                       | 0                            | 25,500                          | 137,765                                | 7,796,821                     | 0                              | 112,913                         | 24,852                          |
| 108-88-3   | Toluene                | 3,108,359            | 397                             | 0                            | 420                             | 142,296                                | 3,251,472                     | 23,632                         | 114,445                         | 27,851                          |
| 7647-01-0  | Hydrochloric acid      | 2,662,919            | 5                               | 0                            | 0                               | 90,000                                 | 2,752,924                     | 0                              | 0                               | 90,000                          |
| —          | Zinc compounds         | 1,369,724            | 30,417                          | 0                            | 22,523                          | 1,078,352                              | 2,501,016                     | 76,170                         | 812,744                         | 310,803                         |
| 67-56-1    | Methanol               | 2,074,316            | 133,827                         | 0                            | 9,693                           | 18,443                                 | 2,236,279                     | 1,292                          | 18,055                          | 388                             |
| 75-09-2    | Dichloromethane        | 2,035,283            | 4,305                           | 0                            | 0                               | 29,091                                 | 2,068,679                     | 2,245                          | 220                             | 28,871                          |
| 7664-41-7  | Ammonia                | 1,171,336            | 116,041                         | 0                            | 3                               | 157,830                                | 1,445,210                     | 2                              | 2,282                           | 155,548                         |
| —          | Glycol ethers          | 1,231,825            | 6,110                           | 0                            | 0                               | 14,389                                 | 1,252,324                     | 4,957                          | 3,489                           | 10,900                          |
| 1330-20-7  | Xylene (mixed isomers) | 790,206              | 501                             | 0                            | 385                             | 4,316                                  | 795,408                       | 33,664                         | 611                             | 3,705                           |
| 71-36-3    | n-Butyl alcohol        | 774,306              | 14,115                          | 0                            | 0                               | 2,076                                  | 790,497                       | 97                             | 2,076                           | 0                               |

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

| CAS Number | Chemical                         | On-site Releases     |                                 |                              |                                 | Off-site Releases                      | Total Releases in the State** | Off-site Transfers to Disposal |                                 |                                 |
|------------|----------------------------------|----------------------|---------------------------------|------------------------------|---------------------------------|--|-------------------------------|--------------------------------|---------------------------------|---------------------------------|
|            |                                  | Air Emissions Pounds | Surface Water Discharges Pounds | Underground Injection Pounds | On-site Releases to Land Pounds | Transfers Off-site to Disposal* Pounds |                               | Transferred Into State Pounds  | Transferred Within State Pounds | Transferred Out of State Pounds |
| 7647-01-0  | Hydrochloric acid                | 10,611,440           | 0                               | 0                            | 0                               | 0                                      | 10,611,440                    | 0                              | 0                               | 0                               |
| —          | Zinc compounds                   | 68,008               | 22,271                          | 0                            | 8,525,611                       | 22,862                                 | 8,638,752                     | 26,746                         | 16,720                          | 6,142                           |
| —          | Lead compounds                   | 2,546                | 354                             | 0                            | 4,309,088                       | 7,927                                  | 4,319,915                     | 28,548                         | 0                               | 7,927                           |
| 7664-93-9  | Sulfuric acid                    | 4,306,428            | 0                               | 0                            | 0                               | 0                                      | 4,306,428                     | 0                              | 0                               | 0                               |
| —          | Barium compounds                 | 5,092                | 64,284                          | 0                            | 1,606,530                       | 275,680                                | 1,951,586                     | 2,077                          | 242,498                         | 33,182                          |
| 1332-21-4  | Asbestos (friable)               | 0                    | 0                               | 0                            | 1,100,000                       | 0                                      | 1,100,000                     | 0                              | 0                               | 0                               |
| 7664-39-3  | Hydrogen fluoride                | 1,086,000            | 0                               | 0                            | 0                               | 0                                      | 1,086,000                     | 279                            | 0                               | 0                               |
| 1336-36-3  | Polychlorinated biphenyls (PCBs) | 1                    | 1                               | 0                            | 870,000                         | 0                                      | 870,002                       | 0                              | 0                               | 0                               |
| —          | Manganese compounds              | 2,317                | 25,269                          | 0                            | 648,300                         | 43,875                                 | 719,761                       | 3,026                          | 38,386                          | 5,489                           |
| —          | Chromium compounds               | 1,542                | 30,223                          | 0                            | 319,400                         | 24,751                                 | 375,916                       | 22,361                         | 14,350                          | 10,401                          |

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



# 1998 Toxics Release Inventory

## NEW YORK

### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

| Facility, City, County                          | On-site Releases      |                                 |                      |                         |                                  |                                    | Total On-site Releases* Pounds | Off-site Releases (Transfers Off-site to Disposal) |                                 |
|---|-----------------------|---------------------------------|----------------------|-------------------------|----------------------------------|------------------------------------|--------------------------------|--|---------------------------------|
|   | Underground Injection |                                 |                      |                         | On-site Releases to Land         |                                    |                                | Transferred Within State Pounds                    | Transferred Out of State Pounds |
|   | Air Emissions Pounds  | Surface Water Discharges Pounds | Class I Wells Pounds | Class II-V Wells Pounds | RCRA Subtitle C Landfills Pounds | Other On-site Land Releases Pounds |                                |  |                                 |
| Eastman Kodak Co. Kodak Park, Rochester, Monroe | 5,469,653             | 657,052                         | 0                    | 0                       | 0                                | 30,757                             | 6,157,462                      | 93,208   | 540                             |
| Finch Pruyn & Co. Inc., Glens Falls, Warren     | 255,505               | 5,668,000                       | 0                    | 0                       | 0                                | 0                                  | 5,923,505                      | 37,350   | 0                               |
| Metal Container Corp. NWB, New Windsor, Orange  | 940,410               | 0                               | 0                    | 0                       | 0                                | 0                                  | 940,410                        | 500  | 0                               |
| Quebecor Printing Buffalo Inc., Depew, Erie     | 774,483               | 0                               | 0                    | 0                       | 0                                | 0                                  | 774,483                        | 250  | 0                               |
| Alcoa, Massena, St Lawrence                     | 713,231               | 476                             | 0                    | 0                       | 0                                | 0                                  | 713,707                        | 21,080   | 949                             |
| 3M, Tonawanda, Tonawanda, Erie                  | 632,000               | 0                               | 0                    | 0                       | 0                                | 0                                  | 632,000                        | 1,204  | 0                               |
| GE Co., Silicone Prods., Waterford, Saratoga    | 394,242               | 69,605                          | 0                    | 0                       | 1,755                            | 37                                 | 465,639                        | 0  | 204,200                         |
| Corning Inc., Canton, St Lawrence               | 440,005               | 0                               | 0                    | 0                       | 0                                | 0                                  | 440,005                        | 0  | 0                               |
| International Paper, Ticonderoga, Essex         | 341,061               | 66,294                          | 0                    | 0                       | 0                                | 30,700                             | 438,055                        | 0  | 0                               |
| Paxar Corp., Orangeburg, Rockland               | 417,010               | 0                               | 0                    | 0                       | 0                                | 0                                  | 417,010                        | 80,100   | 18,335                          |

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

| Facility, City, County  | On-site Releases      |                                 |                      |                         |                                  |                                    | Total On-site Releases* Pounds | Off-site Releases (Transfers Off-site to Disposal) |                                 |
|---|-----------------------|---------------------------------|----------------------|-------------------------|----------------------------------|------------------------------------|--------------------------------|--|---------------------------------|
|   | Underground Injection |                                 |                      |                         | On-site Releases to Land         |                                    |                                | Transferred Within State Pounds                    | Transferred Out of State Pounds |
|   | Air Emissions Pounds  | Surface Water Discharges Pounds | Class I Wells Pounds | Class II-V Wells Pounds | RCRA Subtitle C Landfills Pounds | Other On-site Land Releases Pounds |                                |  |                                 |
| ZCA Mines Inc. #4 Mine & Mill, Gouverneur, St Lawrence                | 64,482                | 5,232                           | 0                    | 0                       | 0                                | 10,071,197                         | 10,140,911                     | 0  | 0                               |
| CWM Chemical Services L.L.C, Model City, Niagara                      | 13                    | 816                             | 0                    | 0                       | 6,231,080                        | 0                                  | 6,231,909                      | 0  | 41,380                          |
| C.R. Huntley Steam Station, Tonawanda, Erie                           | 2,804,370             | 99,110                          | 0                    | 0                       | 0                                | 0                                  | 2,903,480                      | 131,000  | 0                               |
| Niagara Mohawk Power Corp. Dunkirk Steam Station, Dunkirk, Chautauqua | 2,344,290             | 59,600                          | 0                    | 0                       | 0                                | 0                                  | 2,403,890                      | 84,900   | 0                               |
| Russell Station, Rochester, Monroe                                    | 1,820,590             | 330                             | 0                    | 0                       | 0                                | 0                                  | 1,820,920                      | 300  | 0                               |
| AES Somerset L.L.C., Barker, Niagara                                  | 345,800               | 164                             | 0                    | 0                       | 0                                | 1,420,000                          | 1,765,964                      | 0  | 0                               |
| Samuel Carlson Generating Station, Jamestown, Chautauqua              | 1,692,241             | 0                               | 0                    | 0                       | 0                                | 15                                 | 1,692,256                      | 59,118   | 18,335                          |
| Danskammer Generating Station, Newburgh, Orange                       | 1,466,580             | 76                              | 0                    | 0                       | 0                                | 50,100                             | 1,516,756                      | 0  | 0                               |
| AES-Greenidge,L.L.C., Dresden, Yates                                  | 1,003,234             | 393                             | 0                    | 0                       | 0                                | 220,000                            | 1,223,627                      | 0  | 0                               |
| Lovett Generating Station, West Haverstraw, Rockland                  | 1,002,567             | 1,772                           | 0                    | 0                       | 0                                | 1,980                              | 1,006,319                      | 4,151  | 56,700                          |

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1998 Toxics Release Inventory

## NEW YORK

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

| Facility, City, County  | Recycled On-site Pounds | Recycled Off-site Pounds | Energy Recovery On-site Pounds | Energy Recovery Off-site Pounds | Treated On-site Pounds | Treated Off-site Pounds | Quantity Released On- and Off-site* Pounds | Total Production-related Waste Managed Pounds | Total Non-Production-related Waste Managed Pounds |
|---|-------------------------|--------------------------|--------------------------------|---------------------------------|------------------------|-------------------------|--|---|---|
| Eastman Kodak Co. Kodak Park, Rochester, Monroe                 | 0                       | 1,836,901                | 0                              | 0                               | 32,455,750             | 514,184                 | 6,145,658                                  | 40,952,493                                    | 0   |
| Finch Pruyn & Co. Inc., Glens Falls, Warren                     | 0                       | 0                        | 0                              | 0                               | 3,966,000              | 0                       | 5,961,000                                  | 9,927,000                                     | 0   |
| Metal Container Corp. NWB, New Windsor, Orange                  | 0                       | 0                        | 0                              | 110                             | 12,900                 | 20                      | 940,850                                    | 953,880                                       | 0   |
| Quebecor Printing Buffalo Inc., Depew, Erie                     | 3,837,594               | 19,448                   | 0                              | 19,439                          | 0                      | 504                     | 774,483                                    | 4,651,468                                     | 0   |
| Alcoa, Massena, St Lawrence                                     | 6,339,063               | 145,200                  | 0                              | 0                               | 1,530                  | 0                       | 739,330                                    | 7,225,123                                     | 0   |
| GE Co., Silicone Prods., Waterford, Saratoga                    | 990,000                 | 1,700,000                | 1,400,000                      | 0                               | 15,783,100             | 93,305                  | 654,999                                    | 20,621,404                                    | 15,901  |
| 3M, Tonawanda, Tonawanda, Erie                                  | 1,100,000               | 0                        | 680,000                        | 0                               | 0                      | 13,000                  | 625,000                                    | 2,418,000                                     | 0   |
| Garlock Inc., Palmyra, Wayne                                    | 3,316,657               | 0                        | 0                              | 0                               | 15,300                 | 9,772                   | 567,950                                    | 3,909,679                                     | 0   |
| Bar Tech. 13 Bar Mill, Blasdell, Erie                           | 0                       | 28,200                   | 0                              | 0                               | 0                      | 0                       | 460,000                                    | 488,200                                       | 0   |
| Bethlehem Steel Corp., Galvanized Prods. Div., Lackawanna, Erie | 480,000                 | 440,000                  | 0                              | 0                               | 0                      | 630,000                 | 456,000                                    | 2,006,000                                     | 0   |

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

| Facility, City, County  | Recycled On-site Pounds | Recycled Off-site Pounds | Energy Recovery On-site Pounds | Energy Recovery Off-site Pounds | Treated On-site Pounds | Treated Off-site Pounds | Quantity Released On- and Off-site* Pounds | Total Production-related Waste Managed Pounds | Total Non-Production-related Waste Managed Pounds |
|---|-------------------------|--------------------------|--------------------------------|---------------------------------|------------------------|-------------------------|--|---|---|
| ZCA Mines Inc. #4 Mine & Mill, Gouverneur, St Lawrence                | 0                       | 0                        | 0                              | 0                               | 0                      | 0                       | 10,140,911                                 | 10,140,911                                    | 0   |
| CWM Chemical Services L.L.C., Model City, Niagara                     | 0                       | 64                       | 0                              | 0                               | 26,000                 | 56,831                  | 6,272,952                                  | 6,355,847                                     | 0   |
| C.R. Huntley Steam Station, Tonawanda, Erie                           | 0                       | 0                        | 0                              | 0                               | 560,000                | 0                       | 3,032,000                                  | 3,592,000                                     | 0   |
| Niagara Mohawk Power Corp. Dunkirk Steam Station, Dunkirk, Chautauqua | 0                       | 0                        | 0                              | 0                               | 900,000                | 0                       | 2,488,100                                  | 3,388,100                                     | 0   |
| Russell Station, Rochester, Monroe                                    | 0                       | 0                        | 0                              | 0                               | 0                      | 300                     | 1,821,100                                  | 1,821,400                                     | 0   |
| Samuel Carlson Generating Station, Jamestown, Chautauqua              | 0                       | 0                        | 0                              | 0                               | 0                      | 0                       | 1,770,471                                  | 1,770,471                                     | 0   |
| AES Somerset L.L.C., Barker, Niagara                                  | 0                       | 0                        | 0                              | 0                               | 2,930,000              | 0                       | 1,765,000                                  | 4,695,000                                     | 0   |
| Danskammer Generating Station, Newburgh, Orange                       | 0                       | 0                        | 0                              | 0                               | 0                      | 0                       | 1,529,000                                  | 1,529,000                                     | 0   |
| AES-Greenidge, L.L.C., Dresden, Yates                                 | 0                       | 0                        | 0                              | 0                               | 0                      | 0                       | 1,223,000                                  | 1,223,000                                     | 0   |
| Lovett Generating Station, West Haverstraw, Rockland                  | 0                       | 0                        | 0                              | 0                               | 130,000                | 0                       | 1,067,600                                  | 1,197,600                                     | 9   |

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.